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 Molecular characterization of the *Lactococcus lactis* LlaKR2I restriction-modification system and effect of an IS982 element positioned between the restriction and modification genes.  
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the antitumor drug rebeccamycin.

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Molecular characterization of the restriction endonuclease gene (scrFIR) associated with the ScrFI restriction/modification system from *Lactococcus lactis* subsp. *cremoris* UC503.

Microbiology. 1997 Jul;143 ( Pt 7):2277-86.

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DNA methylation and polyamines in embryonic development and cancer.

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Excision of ultraviolet-induced photoproducts of 5-methylcytosine from DNA.

Mutat Res. 1994 Sep;315(2):85-94.

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